

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/17072

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ B65H51/24, 59/36, 63/032, B29D30/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ B65H51/24, 59/36, 63/032

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Kokai Jitsuyo Shinan Koho	1971-2004	Jitsuyo Shinan Toroku Koho	1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 52-23553 Y2 (Wien United Inc.),	1, 2
Y	30 May, 1977 (30.05.77);	4, 5
A	Fig. 1 (Family: none)	3
Y	JP 54-31105 B2 (Evolution S.A.), 04 October, 1979 (04.10.79), Column 6, lines 9 to 13 & DE 2516488 A & FR 2307897 A & CH 591387 A & GB 1501793 A & US 4075445 A & IT 1058471 B	4, 5
A	JP 2000-109269 A (The Furukawa Electric Co., Ltd.), 18 April, 2000 (18.04.00), (Family: none)	1-3

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:
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Date of the actual completion of the international search
26 January, 2004 (26.01.04)

Date of mailing of the international search report
10 February, 2004 (10.02.04)

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